

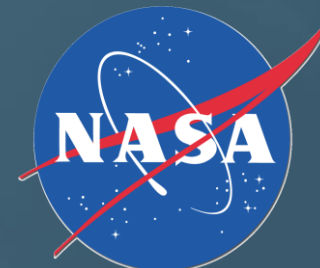


Sustainable Energy and Construction Network



Association for Competitiveness & Innovation in Sustainable Energy and Construction

Mariana Alves Pereira, NASA/C3P Workshop
Noordwijk, November 2011



What is the



Network?

- 7 Municipalities
- 40 Stakeholders

GOALS:

Innovative and Competitive Cities
centered on Energy Efficiency

BASED ON:

Sustainable Construction
Renewable Energies

FUNDED BY:

Government, Municipalities & Stakeholders

Mixed Atlantic & Mediterranean

7 Municipalities



Mediterranean w/
Maritime influence

Mediterranean w/
Continental influence

Proximity Relationships & Distance Relationships

Intelligent Mobilization of Sustainable Energy & Construction

- Build a *networked eco-community* centered on sustainable energy and construction
- To increase accumulation of knowledge, allowing creation of innovative products, services and solutions, complementary among themselves, reproducible in different locations
- Leading to urban development, emergence of new economic functions and international projection of partner cities

"Cities, as territories of innovation and competitiveness, through the implementation of urban networks cooperating on a territorial base for the implementation of a common strategy".

Approved in 2008 within the scope of an application to the Regulation of Urban Networks for Competitiveness and Innovation, Axis 2 – Urban development.

Funding Protocol was signed in December 2009, between the Alentejo, Algarve and Center Regional Operational Programs and the ECOS Network Partners, with a total global value of 9.942.857 Euros.

In order to develop the ECOS Network and provide effective operations and objective execution of the Strategic Program, the partners created an Association among themselves called:



AssECOS coordinates the intermunicipal projects.



➤ Inter-Municipal Actions

- NETWORK management and monitoring
- Partners training and standardization
- Network CO₂ measurement and monitoring
- Environmental awareness programs
- Development of energy efficiency mobile team
- Communication and dissemination of info
- Network internationalization
- ECOS mobility

➤ Individual Municipal Actions



Covenant of Mayors

Committed to local sustainable energy

The Covenant of Mayors is the mainstream European movement involving local and regional authorities, voluntarily committing to increasing energy efficiency and use of renewable energy sources on their territories.

Covenant signatories aim:

to meet and exceed the European Union 20% CO₂ reduction objective by 2020.



Covenant of Mayors

Committed to local sustainable energy





Covenant of Mayors

Committed to local sustainable energy

The Numbers

Signatories

3045

Inhabitants involved

144 Million

Sustainable Energy Action Plans
submitted by the Signatories

828

Signatories by country (examples)

Portugal

68

The Netherlands

17

Italy

1401

Germany

61

France

129

United Kingdom

30

Covenant of Mayors and ECOS Network Municipalities

Municipality	Date signed		Action Plan Submitted
Beja	21 Apr	2010	Yes
Moura	29 Jan	2009	Yes
Óbidos	25 Jun	2010	No
Serpa	03 Nov	2010	Yes
Torres Vedras	17 Dec	2010	No

ECOS/ASSECOS

-- Intermunicipal Projects --

Alentejo Region

Network Management, Animation & Monitorization	285,236.00 €
--	--------------

Public Awareness	822,191.00 €
------------------	--------------

ECOS Mobility	228,000.00 €
---------------	--------------

Center Region

Network Dissemination & Communication	109,973.00 €
---------------------------------------	--------------

Network Internationalization	554,600.00 €
------------------------------	--------------

Office of Energy Efficiency

Energy
Efficiency

Energy
Management

Training
Department

Info to
Public

Study &
identify
technical
solutions

Energy
Performance
Management

Training for
Network
Technicians

Seminars
Fairs
Partnerships

Implement
measures to
promote
Energy
Efficiency



-- *Intermunicipal Projects* --

Environmental Awareness Actions in Schools and in the Community



ECOS/ASSECOS

-- *Intermunicipal Projects* --

Environmental Awareness Actions in Small Villages



ECOS/ASSECOS

-- *Intermunicipal Projects* --

Monitorization & Quantification of CO₂ Emissions

Characterize:

- Municipal energy consumption;
- Municipal GEE;
- Current use of renewable energy in Municipalities;
- Municipal potential for Solar & Wind Energy.

Survey:

- Current and planned Municipal measures, and measures employed by Municipal entities, to reduce CO₂ emissions and increase energy efficiency;
- Internal energy consumption by Town Halls.

ECOS/ASSECOS

- *Intermunicipal Projects* -

Network Internationalization

- Promote the internationalization of:
 - the ECOS Network;
 - the cities and urban players involved.
- Network participation in national and international seminars and fairs, related to the theme of energy and sustainable construction, with the purpose of:
 - Exchanging information and knowledge,
 - Sharing good practices,
 - Disseminating products and services developed within the ECOS Network, and
 - Surveys of the international market.

ECOS/ASSECOS

-- *Individual Project* --

Beja Sustainable Building



ECOS/ASSECOS

-- *Individual Project* --

Beja Sustainable Building



ECOS/ASSECOS

-- *Individual Project* --

Torres Vedras Social Housing Rehabilitation



Thank you for your attention

mariana.ap@c3p.org

NASA/C3P Workshop
Noordwijk, November 2011

